| Electronic Pate                      | ent App | lication Fe   | e Transı | mittal |                         |  |  |
|--------------------------------------|---------|---|----------|--------|-------------------------|--|--|
| Application Number:                  | 10      | 10741824  |          |        |                         |  |  |
| Filing Date:                         | 19      | 19-Dec-2003   |          |        |                         |  |  |
| Title of Invention:                  |         | ENHANCEMENT OF COPPER LINE RELIABILITY USING THIN ALD TAN FILM TO CAP THE COPPER LINE |          |        |                         |  |  |
| First Named Inventor/Applicant Name: | Lir     | Ling Chen   |          |        |                         |  |  |
| Filer:                               | An      | Anca Carmen Gheorghiu/Jo Ann Cottrell   |          |        |                         |  |  |
| Attorney Docket Number:              | 00      | 007532  |          |        |                         |  |  |
| Filed as Large Entity                | •       |   |          |        |                         |  |  |
| Utility Filing Fees                  |         |   |          |        |                         |  |  |
| Description                          | 1       |   | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |
| Basic Filing:                        |         |   |          |        | 1                       |  |  |
| Pages:                               |         |   |          |        |                         |  |  |
| Claims:                              |         |   |          |        |                         |  |  |
| Miscellaneous-Filing:                |         |   |          |        |                         |  |  |
| Petition:                            |         |   |          |        |                         |  |  |
| Patent-Appeals-and-Interference:     |         |   |          |        |                         |  |  |
| Post-Allowance-and-Post-Issuance:    |         |   |          |        |                         |  |  |
| Utility Appl Issue fee               |         | 1501  | 1        | 1400   | 1400                    |  |  |

Publ. Fee- early, voluntary, or normal

| Description        | Fee Code          | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |  |
|--------------------|-------------------|----------|--------|-------------------------|--|--|--|
| Extension-of-Time: |                   |          |        |                         |  |  |  |
| Miscellaneous:     |                   |          |        |                         |  |  |  |
|                    | Total in USD (\$) |          |        | 1700                    |  |  |  |